

Mountain View Corridor Air Working Group
Meeting Minutes
July 18, 2018

Attendees:

- Reed Soper - UDOT Mountain View Corridor
- Cameron Cova – Breathe Utah
- Kathy Van Dame – Wasatch Clean Air Coalition
- Bo Call - Division of Air Quality
- Corbin Anderson – Salt Lake County
- Brock Anderson – WVC
- Andy Neff – Langdon Group (facilitator)
- Allison Adams – Langdon Group (co-facilitator)

Minutes

- Brock Anderson, new West Valley City AWG representative, introduced himself to the group.
- The Group approved 5/7/18 AWG meeting minutes.
- **Installation Status Update**
 - Reed gave a status update on the installation progress. Hunter High, Hunter Jr. High and Hillside are complete. West Valley and Whittier are in progress, with completion expected this summer.
 - Funding for the last two schools was finally made available, allowing for contractors to be acquired and construction to begin. West Valley and Whittier required the least number of upgrades, which is why they are the last to be completed.
 - Reed will call Steve in the next week for a status update.
- **Schedule School Field Tour**
 - Reed will speak with Steve about scheduling the school tours and then send proposed dates to the Group to determine the best date and time.
- **Letter to Granite School District (GSD) re: Hunter High portables relocation**
 - Reed will ask Steve about the completion of the portables.
 - Steve mentioned to Reed that he sees the benefits of the AWG's upgraded systems and will continue to use them and AWG standards for future buildings built in the District. When the Annex opens in 2021, the filtration system will match AWG standards.
 - Portable relocation – AWG would like to encourage the schools to place the portables near roadways, where the air systems can be of most use. Reed has spoken with Steve about it.
 - The Group agreed that a letter should be drafted and sent to GSD. It's important to note that GSD will move the portables to where ever they would like, regardless of the letter. However, AWG's letter could be useful in encouraging them to move the portables where they will be useful.
 - Another point to remember, it may be easier to move the air filtration systems to different locations instead of moving portables. This could be included as a suggestion in the letter.
 - When would we like the letter to be sent to the District?
 - If the letter is sent in the next three to six months, the District may forget the Group's suggestions. It may be better to send the letter closer to the actual movement of the portables.

- The Group decided that it will be better to send two letters, one now and another one in 2020.
 - Next steps: Reed will work on drafting this letter and the Group will set a reminder for 2020 to send a follow-up letter.
- **Scope of GSD outreach efforts with the five schools**
 - Reed will speak with Steve about the outreach efforts. As Steve may not oversee these efforts, Reed will determine the appropriate point of contact.
 - We can provide the brochure to principals and assistant principals.
- **Brochure Review**
 - Kathy noted that the updated brochure shows construction phasing, which is a great addition.
 - Reed has updated the cost table on the back page of the brochure.
 - Phase 2 roadway and Phase 2 (to mirror Phase 1) transit need to be on the brochure.
 - Timing of brochure: It should be aimed at the upcoming legislative session 2019. It should be finished by October 2018. Please have suggestions to Reed by mid-August.
- **Monitoring Approach Brainstorm**
 - Using Sonoma's previous monitoring scope as a template, Reed has begun drafting a scope for future monitoring.
 - What are we hoping to accomplish with the monitoring? How will we use the data?
 - The Group would like to compare the pre-installation measurements to the post-installation measurements to see if the filters are doing their jobs.
 - The Group would like to see if the equipment was installed correctly and working as expected.
 - The Group would like to see if the filters are having the desired impact, reducing pollution levels when the MVC is completed.
 - Indoor and outdoor monitoring
 - What do we want to measure?
 - The Group would like to measure what was done before, to allow for accurate comparisons. Previously, black carbon was measured inside and outside at four schools and PM2.5 was measured concurrently at one school. CO2 and meteorological measurements were also taken.
 - At a minimum, we should measure for black carbon.
 - Bo - we may compare the data to PurpleAir's commercially available air monitoring network, although there is a correction factor that would need to be considered. This may be a viable option. These instruments could be purchased and given to schools.
 - What devices should we use to measure? What is the desired quality?
 - The same devices as Sonoma should be used so that the data is comparable
 - When, where and what duration should we measure?
 - Sonoma measured from March to June so the Group should measure the same for comparison.
 - Two measurements should be done, March to June and December to February. This will help us to be comparable and see how the systems function in the worst pollution months. This will help us see how the systems will hold up when the roadway opens.
 - Bo stated that the highest cost is setting up the instruments. If we measured from November to the end of school, it will not be that much more expensive than doing to separate measurements or a shorter measurement time.

- Reporting – we would need to break out the two different time periods so they are comparable and separate what things mean by the time periods chosen.
- AWG agrees that the option offered by Bo is the best. We will measure from November to June and separate out specified time periods.
- Who will do the monitoring?
 - Two options for monitoring: Hire consultant to do purchasing and monitoring as part of contract or procurement process to get the instruments ourselves.
 - Reed thinks hiring a consultant is likely the only option. Contract scope needs to be determined well before hiring a consultant. It takes time to select a qualified consultant so we need to move quickly, especially if monitoring begins in the winter, to put the bid out for a consultant.
 - Bo – we need to wait until we have a road with traffic – is it finished? Reed will follow up on project timing to determine if this winter is the best option. Reed said there is traffic passing two of the schools but that it could be light until future connections are made further north.
 - Bo – let's hold off until the roadway is finished so that it has a normal full load of traffic. This would put us a few years out.
 - Cameron – should we find out if the filtration systems are working at least? Do we deploy the air monitors now to just see if things are working?
 - Bo – we could test the monitors and the filters
 - Corbin – PurpleAir – should these be deployed to measure inside of schools?
 - Bo – these are so inexpensive that we should do this. We could measure a relative difference if we put one outside and one indoors.
 - There was a study in a school that showed that indoor air doesn't fluctuate as much as the outdoor air. The take-home is that filtration works as long as doors don't open often. Indoor and outdoor air don't mix very much.
 - Kathy – agreement with the school district about monitoring? Not opposed to doing the monitoring until we have traffic but schools may have the understanding that we are doing this.
 - Reed doesn't think delaying the monitoring would create an issue but we need to coordinate with the District. Steve doesn't have an issue with it.
 - Reed – per the cooperative agreement: upon completion of the improvements, GSD will allow the monitoring within 60 days if schools are in session or 30 days if they are not in session. We are not bound to these but that is what we asked for.
 - The Group agrees that a contractor should inspect the filters to ensure that they are working as specified. Additionally, full monitoring should be done to compare air qualities. The inspection of the filters can be reported back to the schools, while the full monitoring is in progress. This will allow time to find someone to do full monitoring as well as wait for the MVC to finish construction.
- Next step – draft scope for independent evaluation, to include a request for qualifications, to select a contractor who can review what was built. Reed will do this and send it out in the next few days. He needs AWG comments promptly to keep things moving. Once there is agreement, he can move through UDOT's process. This will be a process to get someone selected. It will not be high dollar.
- Reed – with inexpensive monitors, we could use these soon. We can make future monitoring much more efficient and less expensive if we are doing forward planning.

We shouldn't put monitoring on the back burner. Next meeting, we should make solid decisions on plans for future monitoring.

- Next AWG meeting will be scheduled in August at UTA. Andy will send out a doodle poll.